


GREASE SEALING BEARING**Publication number:** JP2190615**Publication date:** 1990-07-26**Inventor:** TAMADA KENJI; NAKAJIMA HIROKAZU; OKAYAMA TOMOO; MIZUTANI TAKAHIRO**Applicant:** NTN TOYO BEARING CO LTD**Classification:****- International:** **F16C33/62; F16C33/62;** (IPC1-7): F16C33/62**- European:** F16C33/62**Application number:** JP19890006557 19890114**Priority number(s):** JP19890006557 19890114**Also published as:** EP0407606 (A1)
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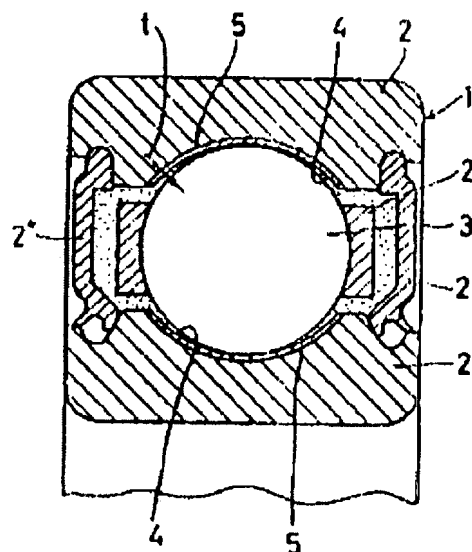
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Abstract of JP2190615

PURPOSE: To prevent the generation of specific peeling so as to aim at the stabilization of durability by forming an oxide film of specific thickness on the rolling surfaces of the bearing rings of a bearing sealed with grease.

CONSTITUTION: An oxide film 5 is formed on the rolling surface 4 of a bearing 1 formed of a rolling element 3 disposed between bearing rings 2, 2, a holder 2' for guiding/holding the rolling element and sealing members 2'', 2'' mounted on both sides of the bearing rings 2. The thickness (t) of the oxide film 5 is set in the range of 0.1-2.5μm. As a result, specific peeling generated on the rolling surface can be prevented, and thereby the early breakage of the bearing generated by the specific peeling can be prevented.



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